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**Thesis Title:**

Speech Recognition using Ad-hoc Microphone Arrays

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**Citation:**

*With the evolution to ubiquitous computing, there is an acknowledgement that speech recognition systems need to break free from their reliance on single close-talking microphones to provide a less intrusive and more natural interface to computing devices. The PhD research has addressed this need by developing novel techniques to coordinate speech acquisition and recognition from an ad-hoc network of microphones. New methodologies have been developed to perform speech enhancement to improve the overall speech quality and speech recognition performance in the context of speech acquisition and transcription in meetings, when both locations of speakers and the microphones in the array are unknown.*